NEW RECORDS OF MOSQUITOES (DIPTERA: CULICIDAE) FROM NEW HAMPSHIRE[1, 2]

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ABSTRACT: Four species of mosquitoes, *Aedes dorsalis, Ae. taeniorhynchus, Culiseta minnesotae* and *Orthopodomyia signifera* are reported from New Hampshire for the first time.

Until 1975, mosquitoes in New Hampshire were relatively little-studied. Lowry (1929) reviewed the habits, distribution and general economic importance of mosquitoes in the state. Blickle (1952) reviewed the distribution of all species then known to occur in New Hampshire, stating that 37 species were known to be present.

Extensive mosquito surveys since 1975 in southeastern New Hampshire by Jonathan Tucker, Betsy Whalen and the author resulted in the discovery of 4 species not previously recorded from the state: *Aedes dorsalis* (Meigen), *Ae. taeniorhynchus* (Wiedemann), *Culiseta minnesotae*[4] Barr and *Orthopodomyia signifera* (Coquillett). Determinations were confirmed by the author.

Five females of *Aedes dorsalis* were collected from Rockingham County in 1977 from CO_2-baited CDC light traps. Two females were collected in North Hampton on 19 May, 1 female from Hampton Falls on 6 October and 2 females were collected from Seabrook on 19 July.

Six females of *Aedes taeniorhynchus* were collected from Rockingham County in 1977 in CO_2-baited CDC light traps, 2 from North Hampton on 14 July, 2 from Seabrook on 19 July, 1 from Rye on 11 August and 1 from Greenland on 18 August. One female voucher specimen has been deposited in the University of New Hampshire collection.

Three females and 18 larvae of *Culiseta minnesotae* were collected from Rockingham County in 1977. One female each was collected from a CO_2-baited light trap in Londonderry on 22 July, Hampton on 28 July and

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[4]*Cs. minnesotae* is listed as a subspecies of *Cs. silvestris* (Shingarev) by Knight and Stone (1977), but Wood et al. (1979), following recent Russian workers, stated that the name *silvestris* was unrecognizable. Until the status of the name is clarified, *minnesotae* is retained as a distinct species.

Newton on 4 August. Larvae were collected from Kingston (1) on 6 June, Chester (1) on 22 June, Fremont (2) on 29 June, Epping (5) on 26 July, Deerfield on 18 August (7), 1 September (1) and 16 September (1). All larvae were collected along the margins of freshwater cattail swamps created by beavers.

Fourteen females of the tree hole-breeding species, *Orthopodomyia signifera* were collected in Rockingham County in 1976 and 1977. All were collected in CO_2-baited CDC light traps. Seven females were collected in Epping, on 7 July 1976 (1) and 6 September 1977 (6), 1 female from Stratham on 4 August 1977, 1 female from Hampton Falls and 5 females from East Kingston on 1 September 1977. One female voucher specimen has been deposited in the University of New Hampshire collection.

The above new state records increases the number of mosquito species known to occur in New Hampshire to 43 in 8 genera.

LITERATURE CITED

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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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The following Opinions have been published recently by the International Commission on Zoological Nomenclature in the *Bulletin of Zoological Nomenclature*, Volume 37, part 4, 15 December, 1980.

Opinion No.

1160 (p. 216) *Tipula oleracea* Linnaeus, 1758 and related species (Insecta, Diptera): stabilisation by the use of the plenary powers.

1161 (p. 221) *Chaitophorus* C.L. Koch, 1854 (Insecta, Hemiptera): designation of a type species by use of the plenary powers.

The Commission regrets that it cannot supply separates of Opinions.

R.V. Melville, *Secretary*